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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,394	03/22/2006	Robert Malek	0071US/PCT	9210
Charles B Katz	7590 07/09/200	EXAMINER		
Thermo Electro	n corporation	WELLS, NIKITA		
355 River Oaks Parkway San Jose, CA 95134			ART UNIT	PAPER NUMBER
			2881	
			NOTIFICATION DATE	DELIVERY MODE
			07/09/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

	Application No.	Applicant(s)			
	10/573,394	MALEK ET AL.			
Office Action Summary	Examiner	Art Unit			
	Nikita Wells	2881			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>22 M</u> . This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-18 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 22 March 2006 is/are: a Applicant may not request that any objection to the or	vn from consideration. r election requirement. r. a) accepted or b) objected to	· ·			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 22 March 2006.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
- 2. Claims 1, 11-15, and 17, are rejected under 35 U.S.C. 102(e) as being anticipated by Guevremont et al. (2006/0038119 A1).

As per the above claims, Guevremont et al. disclose ([0013, 0014, 0023, 0027, 0028, 0031, 0050]) a method of mass spectrometry comprising a plurality of cycles [0023], each cycle comprising the steps of [0031]: (a) preparing ions to be analyzed by a mass spectrometer; (b) using a detector of the mass spectrometer to collect data [0013, 0026] from the ions prepared in the processing means.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 2-10, 16, and 18, are rejected under 35 U.S.C. 103(a) as being unpatentable over Guevremont et al. (2006/0038119 A1), in view of Schlereth et al. (5,233,190).

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As per claim 2-8, Guevremont et al. (2006/0038119 A1) fail to specifically disclose the various steps preparing ions to be analyzed by a mass spectrometer; using a detector of the mass spectrometer to collect data from the ions prepared in step; and processing the data collected with processing means. These steps are obvious design choices and are well known in prior art.

With respect to claims 9-10, 16, and 18, although Guevremont et al. disclose a method of mass spectrometry comprising a plurality of cycles as mentioned in paragraph 2 above, Guevremont et al. do not specifically mention that the first detector is part of an ICR cell and the second detector is part of an ion storage device, and that the steps of collecting a full mass spectrometry scan is done with the first detector and performing a MSⁿ scan with the second detector. However, Schlereth et al. disclose (Col. 1, lines 19-32; Col. 2, lines 61-68; Col. 3, lines 8-20) the use of an ICR cell as a detector and an ion storage device (Col. 4, lines 37-42).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to recognize and substitute the molecular spectrometer of Schlereth et al. into the ion mobility spectrometer of Guevremont et al. in order to facilitate the detection and identification of various compounds through high-resolution mass spectrometry involving large quantities of data.

Arrangement of the Specification

5. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

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- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (1) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Drawings

6. New corrected formal drawings are required in this application because the submitted drawings contain hand drawn labels and notation. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Antonov et al. (2008/0045194 A1) disclose an apparatus and method for elemental analysis of particles by mass spectrometry.

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8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nikita Wells whose telephone number is (571) 272-2484. The

examiner can normally be reached on 8:30 AM - 5:00 PM. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-

2293. The central fax phone number for the organization where this application or proceeding is

assigned is (571) 273-8300.

9. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Nikita Wells/

Primary Examiner, Art Unit 2881

July 4, 2008